AFO/CAFO RESOURCE INVENTORY DATA COLLECTION

(See Agronomy Tech. Notes 14 & 20 for Preliminary Planning Calculations)

Producer:_____ Date:_____

Animal Considerations

Do you currently have an NPDES: _____ Yes _____ No

My operation is classified as: _____ An animal feeding operation

_____ A confined animal feeding operation

_____ Unsure

Number of Animals: _____

Class of Animals: _____

Starting Weight of Animals: _____

Ending Weight of Animals: _____

I have animals on feed for at least 45 days per year and no forage is grown in the feedlot area.

_____ Yes _____ No

Number of days per year that waste is produced in feedlot area: _____

Time of year animals are confined: _____

Weight gain goals: _____

Weight gain goals being met N/A _____ Yes _____ No

Cover and/or shelter adequate _____ Yes _____ No Windbreak Needed

Adequate quality/quantity of water _____ Yes _____ No

Feed Considerations

Typical fee: _____ Ensilage Barley

_____ Ensilage Hay or Baled Hay

_____ Protein Supplement

Is this feed ration considered a low-energy or high-energy ration: _____ High _____ Low

Do you produce all of your own feed: _____ Yes _____ No

If not, what percentage of your feed do you import: _____

What is the average protein value of this feed ration: _____

What is the average phosphorus value of this feed ration: _____

What is the ave. daily consumption per animal of this feed ration: _____

Crop Considerations

Crop Production:

Typical 3 – 5 year crop rotation is: _____

Crop on which manure will be applied: _____

Realistic Yield Goals of each crop in rotation (average of last 5 years):

Acres of each crop available to receive manure: _____

I reduce commercial application rates when using manure by:

_____ 0-10% _____ 10-25% _____ 25-50%

_____ 50-75% _____ 75-100%

I apply commercial nitrogen fertilizer at what rate: _____

I apply commercial phosphorus fertilizer at what rate: _____

I apply trace elements with my fertilizer: _____ Yes _____ No

If Yes, which elements: _____

Soil Considerations

I use soil samples to determine nutrient levels in fields where manure will be applied:

_____ Annually _____ 2-4 Years _____ > 4 Years

I understand the numbers on my soil test: _____ Yes _____ No

Soils Laboratory (where was sample analyzed): _____

Soil Test Information (attach copy of soil test if available): Field No. _____

NO_3-N Levels _____

% Organic Matter _____

Phosphorus Level _____

(Specify Testing Method: Olsen or Bray) _____

Texture _____

Depth of Sample _____

I know the Soil Series, Acreages, and Slopes of my fields:

_____ All of them _____ Some of them _____ None of them

_____ pH _____ EC

Manure Considerations

I conduct manure nutrient analysis: _____ Annually _____ 2-4 Years _____ > 4 Years

Manure Analysis:

NO_3–N in lbs of nutrient per ton _____

Organic-N in lbs of nutrient per ton _____

Urea-N in lbs of nutrient per ton _____

P or P_2O_5 in lbs of nutrient per ton manure _____

K or K_2O in lbs of nutrient per ton manure _____

Percent Moisture _____

I have considered other utilization options for my manure: _____ Yes _____ No

I consider my manure a: _____ Resource _____ Disposal Problem

Irrigation Water Considerations

I test my irrigation water for nitrates:

_____ Annually _____ 2-4 Years _____ > 4 Years _____ Never

Irrigation Water Information:

NO_3-N in ppm _____

Amount used (acre inches) _____

Irrigation method used: (i.e. furrow/flood/sprinkler) _____

Site Considerations

Approximate feedlot area: _____

Any future expansion planned: _____ Yes _____ No

Approximate future feedlot area and animal numbers: _____

Depth to groundwater: _____

Distance of the feedlot to surface water bodies: _____

I have tested my well water for nitrates and bacteria:

_____ Within 1 Year _____ Within 5 Years _____ Never

I have neighbor complaints about odor, dust, or other mature management concerns:

_____ Within Last Year _____ Within 5 Years _____ Never

I sprinkle my pens in dry weather to reduce dust:

_____ Mobil Sprinkler _____ Fenceline _____ None

The area where most of my runoff comes from is:

_____ Paved Open Lots _____ Unpaved Open Lots

_____ Roofs or Covered Lots _____ Adjoining Fields

I collect runoff from runoff areas:

_____ Every Drop _____ Most
_____ Unknown _____ Very Little

I use vegetative barriers to filter and dissipate odors:

_____ Around the Feedlot _____ Around Manure Piles
_____ Around Runoff Storage Ponds _____ Not at All

I inspect manure stockpiles and runoff storage ponds for runoff and seepage problems:

_____ Monthly _____ Annually _____ Never

I have a plan in case excessive runoff overloads my storage pond:

_____ Yes _____ No

The manure stockpiles and/or runoff storage pond smell bad:

_____ Frequently _____ Occasionally _____ Rarely

Manure Production Considerations

I handle manure as a:

_____ Liquid _____ Slurry _____ Solid

How often do you clean/scrape your feedlot:

_____ Daily _____ Weekly _____ Monthly _____ Annually

I know the amount of manure and nutrients produced on my operations:

_____ Yes _____ No

I know the amount of other wastes that get mixed in with manure (i.e. bedding, waste feed):

_____ Always _____ Sometimes _____ Never

The manure produced here is:

_____ Too Wet _____ Too Dry _____ Just Right

I store manure on site before application:

_____ < 6 Months _____ 6-12 Months _____ > 12 Months

I have enough storage area to store manure produced:

_____ 0-3 Months _____ 3-6 Months
_____ 6-9 Months _____ 9-12 Months

Runoff Considerations

I use grass filter strips below feedlot/stockpiles to reduce nutrient runoff:

_____ Yes _____ No

I keep runoff water (clean water) away from the manure stockpiles:

_____ Yes _____ No

I have a liner in my runoff storage pond:

_____ Yes _____ No

My runoff storage pond has the capacity to handle a 25-year, 24-hour storm:

_____ Usually _____ Sometimes _____ Unsure

I keep rainfall records to determine the contribution of rainfall water to the storage pond:

_____ Yes _____ No

I keep livestock away from the runoff storage pond and trenches:

_____ Yes _____ No

I remove the solids that accumulate in my runoff storage pond:

_____ Yes _____ No

I use the runoff water to

_____ Irrigate _____ Sprinkle Feedlots _____ Evaporate

During a large storm event, where does my water run/accumulate:_____

During a large storm event, does water run through the feedlot from off-site:

_____ Yes _____ No

Manure Use and Application Considerations

Do you feel that your land base is adequate for manure application:

_____ Yes _____ No

I consider runoff potential before manure is applied to frozen or saturated ground:

_____ Always _____ Sometimes _____ Never

I consider the distance to wells and surface water when applying manure:

_____ Always _____ Sometimes _____ Never

I know my manure application rate: _____ Yes _____ No

If yes, what is it:_____

My manure application method is:_____

I inject or incorporate manure within:

_____ 24 Hours _____ 2-7 Days _____ > 7 Days

I keep records of where, when, and how much manure I apply:

_____ Yes _____ No

I apply manure in the:

Mainly			Maybe				
_____	Spring	_____	Summer	_____	Fall	_____	Winter

I apply manure in the late afternoon, on holidays, or on weekends:

_____ Usually _____ Sometimes _____ Never

Typical soil conditions at time of manure application:

_____ Cool/Moist _____ Cool/Dry

_____ Warm/Moist _____ Warm/Dry

The manure spreader I use has these dimensions:

_____ Length _____ Width

_____ Depth _____ Density of Manure

Dead Animal Management Considerations

The typical disposal method for dead animals is:

I am aware of the Wyoming DEQ Rules and Regulations for Animal Disposal (Wyoming Statute 35-10-104): _____ Yes _____ No